Science Education

AUTHOR INDEX TO VOLUME 84, 2000

Anderson, D., Lucas, K. B., Ginns, I. S., and Dierking, L. D.: Development of Knowledge about Electricity and Magnetism during a Visit to a Science Museum and Related Post-Visit Activities, 658
Angelopoulos, V.: See Tsaparlis, G., 131
Astell, C. R. [book review]: Women's Science: Learning and Succeeding from the Margins, 793
Atwater, M. M.: Equity for Black Americans in Precollege Science, 154
Ayuso, E.: See Banet, E., 313

Banet, E., and Ayuso, E.: Teaching Genetics at Secondary School: A Strategy for Teaching about the Location of Inheritance Information, 313
Barak, M., and Raz, E.: Hot-Air Balloons: Project-Centered Study as a Bridge between Science and Technology Education, 27
Bárcenas, S. L.: See Furió, C., 545
Bascom, D.: See Trumbull, D. J., 265
Bencze, J. L.: Procedural Apprenticeship in School Science: Constructivist Enabling of Connoisseurship, 727
Bentley, M. L.: See Glasson, G. E., 469
Black, A. E., and Deci, E. L.: The Effects of Instructors' Autonomy Support and Students' Autonomous Motivation on Learning Organic Chemistry: A Self-Determination Theory Perspective, 740
Blank, L. M.: A Metacognitive Learning Cycle: A Better Warranty for Student Understanding?, 486
Bonney, R.: See Trumbull, D. J., 265
Brady, I., and Kumar, A.: Some Thoughts on Sharing Science, 507
Brown, C.: See Kelly, G. J., 624
Brush, S. [book review]: Postmodernism versus Science versus Fundamentalism: An Essay Review of Science Wars, 114
Brush, S. [book review]: Postmodernism versus Science versus Fundamentalism: An Essay Review of The Flight from Science and Reason, 114
Brush, S. [book review]: Postmodernism versus Science versus Fundamentalism: An Essay Review of The Creation Hypothesis: Scientific Evidence for an Intelligent Designer, 114

Cabral, A.: See Trumbull, D. J., 265
Calatayud, M. L.: See Furió, C., 545
Colgan, P. [book review]: Frankenstein's Footsteps: Science, Genetics and Popular Culture, 127
Colgan, P. [book review]: The Biotech Century: Harnessing the Gene and Remaking the World, 127
Crawford, T.: See Kelly, G. J., 624
Cummings, K. E.: See Tomanek, D., 212
Cunningham, M.: See Munby, H., 193

Dass, P. M. [book review]: The Forgiving Air: Understanding Environmental Change, 418
Deci, E. L.: See Black, A. E., 740
Dierking, L. D.: See Anderson, D., 658
Donnelly, J. [book review]: Procedures of Power and Curriculum Change: Foucault and the Quest for Possibilities in Science Education, 796
Dori, Y. J., and Tal, R. T.: Formal and Informal Collaborative Projects: Engaging in Industry with Environmental Awareness, 95
Driver, R., Newton, P., and Osborne, J.: Establishing the Norms of Scientific Argumentation in Classrooms, 287
Duschl, R. A.: Editorial: Building Community While Raising Standards, 1
Duschl, R. A.: See Jiménez-Aleixandre, M. P., 757

Etkina, E.: Weekly Reports: A Two-Way Feedback Tool, 594

Feldman, A.: Decision Making in the Practical Domain: A Model of Practical Conceptual Change, 606
Fisher, D.: See She, H.-C., 706
Furió, C., Calatayud, M. L., Bárcenas, S. L., and Padilla, O. M.: Functional Fixedness and Functional Reduction as Common Sense Reasonings in Chemical Equilibrium and in Geometry and Polarity of Molecules, 545

Ginns, I. S.: See Anderson, D., 658
Glasson, G. E., and Bentley, M. L.: Epistemological Undercurrents in Scientists' Reporting of Research to Teachers, 469

Harrison, A. G., and Treagust, D. F.: Learning about Atoms, Molecules, and Chemical Bonds: A Case Study of Multiple-Model Use in Grade 11 Chemistry, 352
Häussler, P., and Hoffmann, L.: A Curricular Frame for Physics Education: Development, Comparison with Students' Interests, and Impact on Students' Achievement and Self-Concept, 689

Hoffmann, L.: See Häussler, P., 689
Hogan, K. [book review]: Storm over a Mountain Island: Conservation Biology and the Mt. Graham Affair, 420
Hogan, K.: Exploring a Process View of Students' Knowledge about the Nature of Science, 51
Howe, A.: See Jones, M. G., 180

Irwin, A. R.: Historical Case Studies: Teaching the Nature of Science in Context, 5

Jiménez-Aleixandre, M. P., Rodríguez, A. B., and Duschl, R. A.: "Doing the Lesson" or "Doing Science": Argument in High School Genetics, 757
Jones, M. G., Howe, A., and Rua, M. J.: Gender Differences in Students' Experiences, Interests, and Attitudes toward Science and Scientists, 180

Kelly, G. J., Brown, C., and Crawford, T.: Experiments, Contingencies, and Curriculum: Providing Opportunities for Learning through Improvisation in Science Teaching, 624
Kumar, A.: See Brady, L., 507

Laugksch, R. C.: Scientific Literacy: A Conceptual Overview, 71
Lock, C.: See Munby, H., 193
Loving, C. C., and Foster, A.: The Religion-in-the-Science-Classroom Issue: Seeking Graduate Student Conceptual Change, 445
Lucas, K. B.: One Teacher's Agenda for a Class Visit to an Interactive Science Center, 524
Lucas, K. B.: See Anderson, D., 658

Macbeth, D.: On an Actual Apparatus for Conceptual Change, 228
Machado, A. H.: See Mortimer, E. F., 429
Mortimer, E. F., and Machado, A. H.: Anomalies and Conflicts in Classroom Discourse, 429
Munby, H., Cunningham, M., and Lock, C.: School Science Culture: A Case Study of Barriers to Developing Professional Knowledge, 193

Newton, P.: See Driver, R., 287

Ogunniyi, M. B.: UNITWIN/UNESCO Chairs Program and Capacity Building in Science and Technology in Southern Africa, 401
Olson, J. [book review]: Selling Science: How the Press Covers Science and Technology, 680
Osborne, J.: See Driver, R., 287

Padilla, O. M.: See Furió, C., 545

Raz, E.: See Barak, M., 27
Rivard, L. P., and Straw, S. B.: The Effect of Talk and Writing on Learning Science: An Exploratory Study, 566
Roberts, D. A. [book review]: Achieving Scientific Literacy: From Purposes to Practices, 123
Rodríguez, A. B.: See Jiménez-Aleixandre, M. P., 757
Rua, M. J.: See Jones, M. G., 180

Settlage, J.: Understanding the Learning Cycle: Influences on Abilities to Embrace the Approach by Preservice Elementary School Teachers, 43
She, H.-C., and Fisher, D.: The Development of a Questionnaire to Describe Science Teacher Communication Behavior in Taiwan and Australia, 706
Sizmur, S. [book review]: Portraits of Productive Schools: An International Study of Institutionalizing Activity-Based Practices in Elementary Science, 424
Solomonidou, C., and Stavridou, H.: From Inert Object to Chemical Substance: Students' Initial Conceptions and Conceptual Development during an Introductory Experimental Chemistry Sequence, 382
Stavridou, H.: See Solomonidou, C., 382
Straw, S. B.: See Rivard, L. P., 566

Tal, R. T.: See Dori, Y. J., 95
Tomanek, D., and Cummings, K. E.: The Use of Secondary Science Classroom Teaching Assistant Experiences to Recruit Academically Talented Science Majors into Teaching, 212
Treagust, D. F.: See Harrison, A. G., 352
Trumbull, D. J., Bonney, R., Bascom, D., and Cabral, A.: Thinking Scientifically during Participation in a Citizen-Science Project, 265
Tsaparlis, G., and Angelopoulos, V.: A Model of Problem Solving: Its Operation, Validity, and Usefulness in the Case of Organic-Synthesis Problems, 131

Wolfe, A. J. [book review]: DNA Pioneers and Their Legacy, 682

Yeo, S., and Treagust, D. [book review]: Connecting Research in Physics Education with Teacher Education, 685